



JOHN B. RHINES IS NEWLY ELECTED A.A. PRESIDENT; KIMBLE VICE-PRESIDENT

W. H. VAN BUREN TO BE SECRETARY OF ORGANIZATION

Successful Candidates Not To Take Office Till End of This Month

ELECTION MEETING BRIEF

Thomas B. Rhines '32 was elected president of the M. I. T. A. A. at a meeting yesterday afternoon. John M. Kimble '32 was selected as vice-president and Wesley H. Van Buren '32 was chosen as secretary.

Rhines is junior manager of Crew at the present time and his home is in Watertown, N. Y. He is a member of Delta Kappa Epsilon fraternity and is a graduate of Andover. At the present time the president-elect is enrolled in Course IX-B.

John M. Kimble '32 came to Technology from Monroe High School, Rochester, N. Y., and now lives at Phi Kappa Sigma. He has acted as Junior manager of track during this season and has been with that sport since his freshman year. He is aiming at Mining Engineering.

Van Buren, secretary-elect, is a transfer from Alfred University and has been publicity manager of the M. I. T. A. A. for the last fiscal year. His home is in Hampstead, Long Island, and at present he is residing at Theta Chi House.

Newly elected members will be installed in office at the M. I. T. A. A. meeting on the last Tuesday of April and till that time are supposed to attend all meetings of the Institute Committee. From then on they will assume the duties of control of all the Athletics at the Institute. When the new officers begin, the men they replace will have a chance to join the rest of the deposed activity heads in spending their last month at Technology watching others take control.

Athletic Costs Are Financed By Tuition Charges

Individual Sport Appropriation Made by Student Budget Committee

Why is it that Technology students do not have to pay admissions to home athletic contests? A trip to the Athletic Association office will disclose who does pay for the sports program at the Institute. The system of controlling athletics here is different from that of most colleges, as it places more responsibility on the students themselves than most colleges would even consider. Of course, at other large institutions such as Harvard or Yale sports are taken far more seriously than at Technology, and the sports must be under the direct supervision of men employed especially for that purpose. In such a system all the responsibilities of finances and schedules are in the hands of experienced men, and no burden is placed on the students.

Probably most of the students at the Institute do not realize that they are supporting the various teams financially. However, practically all the money which pays the expenses of each sport comes out of the students' pockets. At the beginning of each year every student has taken out of the money paid to bursar for tuition the sum of seven dollars. This sum comprises his undergraduate dues. The money is taken care of by the undergraduate budget committee whose job it is to apportion it to the different activities. Of the seven dollars collected from each student \$5.80 is for athletics. The total amount available for athletics is over \$17,000.

Annual Budget of Each Sport

Each manager at the beginning of his team's season makes out a budget which he thinks will cover the expenses of his sport. He can tell what the expenses are likely to be by the experience of his assistant management the year before and by the ex-

Haines Revamps First Heavy Boat To Balance Crew

Bob Trimble Put In As Stroke On Varsity, Richardson Strokes J-V's

Coach Haines has made some drastic changes in the crew line-ups in the past few days. Bob Trimble, stroke of the fifties this season, has replaced Richardson as Varsity stroke. Trimble was stroke of the freshman crew last year and this season started off as stroke for the first Fifties.

Then on account of improvement in form and increase in weight, Coach Haines shifted him to the Varsity boat. Trimble is a heavier man than Richardson, and since he has been showing up well in practice, he will be given a try at the heavy boat.

Richardson Strokes J-V's

Richardson has been shifted to the Junior Varsity boat as stroke of that shell. He will work out regularly in the new boat, in the place of the former stroke, who has not been out for the past few nights.

Another change, or rather addition at the boathouse, has been the appointment of Allen Lombard Dunning as coach for the freshman Fifties. This makes a total of three coaches for the first year men. Sutherland, Stevens, and now, Al Dunning.

Dunning has had his rowing experience at the Naval Academy. He rowed there on one of the Varsity crews for the past several years. He is now at the Institute taking courses for a Master's degree.

STANDARDS EXPERT TALKS ON ACCURACY

Discusses Use of Light Rays To Preserve Standards

Junior students in Course II and Course XIII heard Harold L. Van Buren of the measurement company that bears his name speak on the subject of exact measurements by means of light rays, yesterday morning. Mr. Van Buren was a member of the Bureau of Standards and is considered an authority on the subject of measurement by light.

He explained the methods by which light rays are used to determine a standard of length which could be used accurately to reproduce present metal ones if they were destroyed. The speaker also outlined facts to show that measurements reputed to be accurate to a ten millionth of an inch are correct.

WEST WILL SPEAK AT HINDUSTAN MEETING

American Commercial Interests in India will be the subject of a lecture by Mr. E. West of the Bureau of Standards which will be given in room 10-250 Friday afternoon at 4 o'clock. He is a native of India and is recommended by the Bureau as an expert on the topic. President Compton was scheduled to preside but cannot owing to an injury to his back which will keep him in bed for the remainder of the week.

CAPTAIN DRISCOLL ADDRESSES S. A. M. E.

Society Holds Dinner Meeting At Old Plantation

Captain Driscoll of Boston English High School gave a very interesting talk to the members of the Society of American Military Engineers at their dinner meeting held last evening at The Old Plantation. Colonel Guthrie had been previously secured to speak at this meeting but because of unfortunate circumstances could not appear.

Captain Driscoll proved a very worthwhile substitute and entertained those present with amusing incidences that befell him during the recent war. All of the members of the society were present and with the friends the total was thirty-six. Colonel Eddy was also a guest.

Technology Stricken By Usual April Disasters

Extra! Extra! Great calamity befalls Institute. Buildings burn to ground in terrific midnight conflagration of undetermined origin; President Compton asphyxiated; Doctor Stratton blown to bits in mid-ocean explosion; many students discouraged by recent turn of events reported to have committed suicide!

Extra! Extra! With the series of events that have occurred during the past twenty-four hours, the long and successful career of this famous educational institution has been brought to a close. With its plant completely gutted by fire, its leaders victims of tragic events, and its student body broken, it appears that only a complete reorganization from the ground up will be able to revive the fallen Technology, and for sentimental reasons the new institution will probably have the same name as the former which enjoyed a far flung reputation among engineers the world over.

But don't worry boys, it isn't true; only a raving reporter gone mad for a few minutes thinking about all the tricks that will be played today, the day right after the last of March.

HIGH SCORE MADE BY HALL TO WIN P. T. COMPETITION

Five New Records Made In Season, Bell Taking First In Three

THREE TIED IN 50 YARD

C. W. Hall was declared the winner of the P. T. competition held for the freshmen for this year. By amassing a total of 533 points he took top honors for best all around man in the class of 1934.

Following close behind, were outstanding men on the yearling track squad such as Lockhart, Wrigley, Bell, Barrett and several others. Lockhart had a total of 517 and Wrigley, 509, for the only others above the half-century mark. Bell with 488 points held the greatest number of high marks, with the best in the broad jump, one of the two high in the 50 yard dash, and one of three, in the 60 yard low hurdles.

Five New Marks
Of the seven events which counted in the scoring new marks were made for the competition in five of these. The 50 yard dash mark was lowered 1/5 of a second; the 60 yard low hurdles, 2/5 second; the half mile, 6 1/5 seconds; and the mile, 7 1/5 seconds. The shot-put mark was bettered by 2 feet, 7 1/2 inches.

Three men were tied for the best time in the 60-yard low hurdles: Allen, Bell and Hill all covering the distance in 7 seconds. Bell and Lockhart both did the 50 yard dash in 5 3/5 seconds for the best record in that event.

Hall Makes New Record in Mile

Hall, the winner of the competition, established the new mark in the mile, going the distance in 4 minutes, 39 3/5 seconds. Bell jumped 20 feet, 4 inches for the best in the broad jump, while Tomlinson did 5 feet, 10 1/2 inches for the highest in the high jump. Winerman set the new record of 41 feet, 7 inches in the shotput and Barrett covered the 880 yards in 2 minutes 2 seconds for the record in the half.

High scorers in the competition were: C. W. Hall, 533; C. Lockhart, 517; Wrigley, 509; Bell, 488; J. C. Barrett, 485; W. G. Bell, 469; C. Hill, 465; L. Allen, 460; R. Schwarz, 453.

PRESIDENT COMPTON IS INJURED IN FALL

President Karl T. Compton suffered slight injuries to his back last Monday evening in a fall at his home on Charles River road. As a result he will be confined to his bed during the week and all engagements during this time have been cancelled.

FRESHMAN SMOKER WILL HAVE VARIED PROGRAM OF TALKS AND PICTURES

Corporation XV Releases Status Of Contestants

Contest Has Fifteen Days to Run—Only Five Men Are Winners So Far

With but fifteen more days for the contest to run, only five out of the twenty-three Corporation XV Seniors who are attempting to realize a profit on their ten thousand dollar investments have made any money at all. A few others have a paper profit but won't be credited with it unless they sell before April fifteenth.

Robert H. Baxter '31 is the high man to date with actual profit of \$6,888.40 and a paper profit of \$1650. Only two other men succeeded in amassing more than \$1,000 one gaining \$2,555 and the other \$1,184. Next in line are two small sums: \$175 and \$60.

Few of the others have anything to show with but one exception; one Senior has a paper profit of \$2660 which everybody is advising him to realize on. All the rest are more or less total losses and opinion seems to indicate that they will remain so. The four winners are comparatively close to each other and were it not for the large lead of the high man the contest would be an exciting one during the next fifteen days.

BATON ELECTS NEW MEMBERS FOR 1931

Techtonians Furnish Music for Annual Dance in Walker

Elections of new members to the Baton, the honorary society of the Combined Musical Clubs, were announced last Saturday at the annual dance given in the North Hall of Walker Memorial. The Techtonians furnished music for the affair from 9 o'clock until 12 o'clock. Chaperoning the dance were Professor and Mrs. William T. Hall and Mrs. William E. Weston.

Fifty couples attending the dance were entertained by Professor Hall, who with his wife gave a demonstration waltz to show how it is done. George W. Falk '32, the president of the society, discussed the plans of the Baton for the coming period of 1931.

Following is a list of the newly elected members: Frederick I. Miner '32, John Streng '33, Walter V. Skees '33, Frederick I. Wessel '33, Charles Dodson, G. Howard Carver '32, Warren H. Pease '32, and Albert D. King '32.

VOO DOO MEN ATTEND COMICS CONVENTION

James E. Harper, Jr. '32, and Duke Seig Jr. '33, represented the Voo Doo at the Convention of the Eastern Association of College Comics held Friday and Saturday at the Astor Hotel in New York City. It was decided to make all publications of the same size and to better the method of exchanging literature. There was much discussion on means of appealing more efficiently to the national advertisers. Several noted humorists and cartoonists attended the convention and addressed the gathering at the banquets held.

WESTON DISCUSSES STATE WATER CASES

New York and Boston Plan for Increased Water Supply

Robert Spurr Weston, Consulting Sanitary Engineer, addressed the class in Municipal Sanitation yesterday in Room 10-419 on the Inter-State Water Cases of Massachusetts and New Jersey. Both cases have been presented before Special Masters appointed by the U. S. Supreme Court, declared Mr. Weston, and much expert testimony was presented on both sides of each case. Separate opinions have just been rendered which will permit Metropolitan Boston to supplement its water supply from the Ware River, and New York City to meet its water supply needs from the Delaware.

ANNUAL AFFAIR TO BE HELD IN WALKER MEMORIAL APR. 11

Only First Year Class Function Of Year Promises To Be Large Affair

ALL FRESHMEN INVITED

Final plans for the annual Freshman Class smoker, which will be held on the night of April 11, in North Hall of Walker Memorial, were completed last evening at the Freshman Smoker Committee meeting in Walker.

The affair promises to be one of the great social events of the year with the committee expending every energy to make it a huge success in every way. Prominent speakers have been obtained for the occasion as well as novel entertainments. Refreshments and smokes will be served during the evening.

All Freshmen Invited
All freshmen are invited to attend, expenses for the affair coming from the class funds. Due to conflicting dates, the annual Class Dance was necessarily cancelled, and the Smoker remains the only Class function of the year.

The affair will be held in the North Hall of Walker and will begin at 7:45. President Karl T. Compton, who has consented to attend the smoker, will be the first speaker. William C. Greene of English Department, will also speak, and is expected to give one of his witty, amusing talks for which he is so famous.

Professor George Owen of the Naval Architecture will give an illustrated talk which has received wide acclaim at a previous presentation.

"Obie" Dennison, whose songs and cheers have brightened many a Tech

(Continued from Page Three)

Institute Uses Bands Of Color To Trace Pipes

Color Scheme for Twenty-One Different Kinds of Pipes Needed

Certain observant students of the Institute may have noticed and been puzzled by the bands of color on exposed pipes at various places. On two apparently identical pipes running through a class room there may be near the top of one, a purple band with a black stripe through the center, while on the other is an oxide red band. Why the decorations?

In order to facilitate the tracing and identification of pipes, twenty-one different kinds of which run through the building, the Institute has adopted with some minor changes, the A. S. M. E. color scheme for banding pipes.

Many Colors Used
For example, gas pipes carry a maroon stripe, and when for any reason, such a pipe must be located, it can be readily recognized by its distinctive band. Hydraulic pipes in experimental laboratories are painted with an emerald green band, city water pipes have a light blue color scheme, compressed air pipes carry a light drab band, while pipes carrying filtered water can be recognized by their light yellow bands. A different color scheme is used for each kind of pipe.

Both hot and cold water pipes are insulated, but for different reasons. The hot water pipes have their covering to keep the heat in, but the object of covering the cold water pipes is to prevent them from dripping, or "sweating" on warm days. When warm air, with a relatively high humidity, comes in contact with a cold surface, such as the outside of a cold water pipe, drops of water condense.

Yeah verily, the modern world has gone color-mad, but the sedate Institute has turned to the entire assortment of colors in the rainbow, red, orange, yellow, green, blue, violet, but not for mere decoration. There is a serious purpose behind all these mysterious bands and stripes.

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FUNDS AVAILABLE

AT THE last Institute Committee meeting, a sub-committee was appointed whose function is to "investigate the possibility of increasing the student tax." Though this move might at first seem to carry no great import, it represents the beginning of an investigation which should bring to the fore the financial needs of several of the undergraduate activities, especially the athletics. To relieve this situation is to endow these sports with a new significance in Institute life.

At present the student tax amounts to \$7.00, of which \$.36 is apportioned to the Institute Committee, \$.44 to class dues, \$.40 to the Reserve and Contingent Fund, and \$5.80 to Athletics. Next fall the tuition will be \$500.00, an increase of \$100.00 over the present fee. This means that there will be at the disposal of the Corporation a fund of approximately \$300,000.00, representing an increase in the Institute budget of about 10%. From this it becomes obvious that the increase in the student tax is a financial possibility, and that this increase may amount to a little over \$2,000.00. Were this additional money available to the Budget Committee next fall, a considerable amount of good might be performed, especially to the advantage of the sports.

Admitted that all extra-curricular activities at Technology must necessarily take a position below that enjoyed by such activities at most other universities and colleges in the country, due to the pressure of curricular duties, there still seems to be a sufficient number of reasons for providing the sports with adequate facilities and financial backing. Publications and activities of that sort are not faced with any such problem, for the student body and other external sources furnish ample income to support their existence. On the other hand, the receipts from admission charges to games amount to such a small total that the sports are forced to depend almost entirely upon the student fee for their sustenance.

Technology has always boasted that its athletics were founded primarily for the benefit of the men engaging in them, and this purpose has been admirably adhered to since its introduction. As a result, a greater number of men are being trained than might be were the system of "school before self" stressed to any great degree. These sports have from the beginning been financed by funds obtained from student contribution, and the amount of this financial support has been raised from time to time to provide for the increased number of men to be served. The present situation is such that most of the sports are sufficiently supported to serve a considerable number of undergraduates, but the facilities provided might be improved upon.

Several examples might be cited to illustrate the lamentable handicaps which sometimes must be endured by members of the athletic teams. None of the sports at the Institute provides its team members with uniforms. This is an unfortunate circumstance which certainly deserves some attention. While there may be cases where it is expected that a man furnish his own uniform, it would seem that an institution as large as Technology could afford to equip him with its colors at its own expense. Still another need is the provision of more adequate transportation facilities. Under present budgets, only the cheaper modes of travel may be employed, a condition which not only contributes to the general discomfiture of team members, but also impairs the value of the team as a unit.

However, these matters are for the Budget Committee to decide if the increased funds are available. There are no end of conditions which might be remedied, and the final apportionment will take considerable weighing of individual and particular needs. In increasing the student tax the Corporation will make a very commendable move. May the sub-committee study the matter carefully and may its report have the desired effect upon the men in whose hands the decision will ultimately rest.

OFFICES OF THE TECH

Walker Memorial, Cambridge, Mass.
News and Editorial—Room 3, Walker.
Telephone UNIversity 7029

Business—Room 302, Walker.
Telephone UNIversity 7415

Printer's Telephone HANcock 8387-88

SUBSCRIPTION PRICE, \$2.50 PER YR.
Published every Monday, Wednesday and
Friday during the College year, except
during College vacations

Entered as Second Class Matter at the
Boston Post Office

Member Eastern Intercollegiate
Newspaper Association

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The... SPECTATOR

Another Column—

The fates have decreed it. The Lounger, grand old man of the News Room, is becoming feeble of limb and tremulous of speech. No longer can he carry the whole burden of the work that has been his. Regrettably he has been forced to serve notice on the editors of this publication that he will have to quit altogether unless some assistance is forthcoming. It just goes to show how a stiff course in Hydraulics can wreak havoc with a man.

And so the editors have decided that another column shall be born (appropriately, on April 1) to further distract the long-suffering readers of THE TECH; and said column will appear henceforth, at more or less regular intervals, under the above highly descriptive title.

A Case for Diplomacy

One of the best stories heard recently in these parts came from Dr. Wilson Compton at last Friday's Aldred lecture. It went something like this:

During the negotiations preceding the Treaty of Versailles, President Wilson was for a while the guest of King George of England. One day the King asked Wilson to solve a little diplomatic problem. The situation involved a young lady who had just been presented to London society, and had made a theatrical engagement with a bashful young man from one of London's best families. She was to be chaperoned by her mother, an old dowager with traditional mid-Victorian ideas and behavior.

The evening arrived, and the young man presented himself at the home of his guest. He was met at the door by the lady herself, who informed him that her mother was not yet ready; so they sat down to wait in the reception room. Suddenly the girl fainted, leaving one conscious and highly embarrassed gentleman wondering what to do about it.

He remembered having heard that a person who has fainted can be revived by the application of a piece of cold metal to the base of the neck. The only thing which seemed to fill the bill was the key to the massive door of the reception room. In blundering haste he removed the key, and in so doing contrived to lock the door. He then attempted to revive the girl, but was interrupted by a knock at the door; the old dowager had evidently finished her preparations. Frightened, he fumbled the key, and dropped it down the back of the unconscious girl's neck.

"Now, Mr. President," said the King, "here is the problem. What should the young man do? Should he sit tight and wait developments, or should he attempt to find the key?"

After-Dinner Tales

Stories to the right of us, stories to the left of us, stories in front of us, volley and thunder—! Apparently there is some sort of virus, some bug or other, in the usual public speaker that forces him to preface his remarks with a story. President Compton told a story in introducing his brother, Dr. Wilson Compton; the latter introduced Mr. Dodge with a story; and then Mr. Dodge, himself, began his lecture with a story!

But it all began last Thursday at the A. I. E. E. meeting. The speaker of the evening was emphasizing the importance of salesmanship in engineering. He had read an article which said that the principal qualifications of a good salesman were that he be a "good mixer," a first-class entertainer, and be able to tell stories; and the speaker disagreed emphatically with this conception.

After he had finished, several other

engineers arose and supported the speaker's opinion; and each one illustrated his remarks with a story! Let's see; there was one about two Irishmen, and another about Alice in Wonderland.

The after dinner orator is well known, but he has never been thoroughly explained.

How To Be President

Advice, too, was flying thick and fast at that meeting. Whenever old engineers and young engineers get together, the young ones ask to know

how they can get to be executives presidents, and corporation chairmen in the shortest possible time; and then the old ones start handing out advice. Delightfully vague and intangible advice it is, usually; it is difficult to see any substantial and immediate application of it. But one engineer gave an admonition that immediately struck home, gained universal comprehension, and drew loud applause. It was this:

"Don't wait until you have enough money to buy everything you want. Marry early!"

WHERE

?

Can the reader who is fond of Sport find better pages of Sporting News than those which are printed every evening in the Boston Transcript? Where can he find later Sporting News, more Sporting News, better written Sporting News, better illustrations of Sporting News than in the Sporting News Pages printed every evening in the Boston Transcript

The answer by those who follow Sports, who know something of what is to be found in other papers, is—

NOWHERE

Men of Sound Judgment

Examine This

Easter Merchandise

Neckwear

Note the soft blending of colors in our new Spring Ties; also Stripes, Polka Dots and plain pastel shades. Many others.

Shorts and Athletic Shirts

Examine the soft overall tints. Notice the reserved stripe effects.

COMBINATION-BLEND SUITS
in plain colors.

Garters

We carry a complete line of Paris, Boston and Hickock, including the new Curve Weave, both plain and fancy.

Suspenders

Regular and Extra long. In plain white, plain black, black and white, also fancy colors such as stripes and figured patterns. These suspenders are also carried in Tech colors.

Shirts

Beautiful Broadcloth in white and colors
Burton's Irish Poplin in white and colors

Hosiery

This hose with Buffer Heel is guaranteed to give satisfaction. A large assortment to choose from and at a price to meet your pocketbook.

Technology Branch

Harvard Cooperative Society

REMEMBER YOUR DIVIDEND



Over the Teacups
of a Wednesday or Saturday afternoon, you may listen and dance to the delightful music of Meyer Davis' Le Paradis Band in the **SHERATON ROOM** of the **Copley-Plaza** Supper Dances Nightly

SPECIAL GONGS CALL JANITORS

Discordant Noises of Former System Necessitates Replacements

Whether you are walking through the Halls of the Institute, or listening to a lecture by one of its eminent professors, or dozing peacefully in the back of a classroom, you are liable at any moment to hear the measured "ding-ding" of a set of chimes resounding throughout the corridors. The resonant tonal qualities of these chimes are such that they may be clearly heard even in the uttermost parts of the building.

Yet they are but simple contrivances—short, polished bars of metal suspended horizontally and struck by hammers actuated by electricity. Their sound, although penetrating, is not unpleasant, but rather the opposite; the irritating thing about them is that there is no apparent reason for their existence. Could they be warning bells for an elevator? No, for some of them are placed far from any such object.

Ask the Janitor

Were you endowed with a pair of X-ray eyes, and should you take the trouble to look about you when you hear the chimes, sooner or later you would see some janitor prick up his ears at the sound and make for the nearest telephone. He would pick it up, exchange a few words with the party at the other end of the wire, and then go to some professor's room, probably to sharpen a pencil or empty a wastebasket. In short, the group of resonant chimes is a call system for janitors, a call system which is necessitated by the size of the buildings of Technology.

Briefly, the apparatus works in this manner: a professor, desiring to have a broken window fixed, for instance, puts a call to that effect through to the office of the superintendent of buildings. The dials of a machine in the office are set to the group of buildings and the janitor who is nearest to the office of the professor. The machine causes the chimes to sound the call number of the janitor in question, who hurries to the nearest telephone to find out what is wanted. Upon hearing from the superintendent's office that professor so-and-so wants his window fixed, he sets out to do the job.

Chimes Recently Installed

Until recently the call system did not employ the present chimes, however. Formerly the units were split bells which sounded not unlike those used for cows. Their raucous, irritating noise caused many protests, with the result that a series of new types of bells were tried until a pleasant-sounding one was found. The old bells have been replaced one by one to such an extent that few of them are left.

The system is divided into six groups, eliminating the necessity of ringing all the bells if only one janitor in a certain building is desired. For exceptional occasions, however, an alarm signal is given by all bells, when every janitor is told to go to such and such a place. In this way 30 or more men may be sent to any one room upon a minute's notice. Occasionally this alarm signal is given as a test, to find out whether or not everybody is on his toes.

Bells Are Distinctive

Since there are three separate systems of bells which sound in the corridors, each set must have a different, distinctive tone. The three series are the call bells, which sound most frequently, the warning bells, which ring at five minutes before and five minutes after the hour, and the fire alarms which ring about once in five years.

TUITION CHARGES FINANCE ATHLETICS

(Continued from Page One) penses of the team during previous seasons. A schedule is arranged, which will require about the same amount of money as the year before. Oftentimes a manager is able to save money for the Association by cutting down on expenses.

The Athletic Association is composed of the managers and captains of every sport represented at the Institute. To counsel them is the Advisory Council, which is made up of five alumni of Technology and three undergraduates. Its duty is to approve schedules submitted by the Athletic Association and maintain athletic relations with other colleges. At the end of a season it awards the letters or numerals as the case may be on the recommendation of the Association.

The manager presents his schedule and budget to the Budget Committee for approval. If the Committee finds that a manager is planning to spend more money than that sport is usually allowed, it cuts out a game or two or cuts down on the expenses for certain trips. All the budgets have to be gone over very carefully, so that the expenses for the coming year will not be greater than the amount of money which they have on hand.

Guarantees Often Save Money

The reader will probably wonder how a team such as the boxing team, which during a recent year had eight matches besides having to pay the coach's salary, could get along on a sum of money less than \$600. This fact is even more startling, when we consider that some of the team's trips were as far away as Annapolis and New York. The secret, of course, is the guarantees paid to the team by the colleges which it visits. In the case of boxing one year over a thousand dollars were received in this form of income. A guarantee is a contract safeguarding the visiting team. It usually covers about half the expenses of the trip, although part of it is sometimes used in entertaining the visiting team. It is interesting to note that the Army and Navy pay the highest guarantees besides putting the team up for overnight stays. Once in awhile a thrifty manager can profit by a guarantee and save the Athletic Association money.

When the large amounts of money paid to visiting teams are considered, one can readily understand why only large colleges which have enormous gate receipts in football can afford to play practically all their games at home. Also one can understand why it is that small colleges find it most profitable to play their games with large institutions which can afford to pay large guarantees away from home.

At the present time the Institute pays the salaries of most of the coaches. Previously each team with the exception of the major sport teams had to pay for its own coach. However, in return a team has to pay for a doctor who must be in attendance at all home games. The Institute formerly paid the doctor.

The gate receipts at Technology are small, because there is no varsity football. At the other sports events the attendance is composed mostly of students who do not have to pay admissions.

Freshman elections at Purdue University were called off by the Student Council, when it was found that 180 votes had been cast by the 132 frosh who were present. The quasi-elected candidates expressed rather strong opinions of the Student Council, but declared themselves agreeable to another election.

Dean Mandell of Yale attributes the extinction of group singing, the decline in conversation, and an alarming increase in the undergraduate taste for hard liquor to the abolition of the old fashioned beer garden.

ARCHITECT PLANS FOR NEW WALKER

Overcrowding Necessitates An Immediate Measure of Alteration

Current discussion of the means for improving Walker gives especial interest to its early history. Walker Memorial, a tribute to the self-sacrificing and untiring service of General Francis Walker, President of the Institute from 1881 to 1897, was first proposed at a meeting of the Class Secretaries' Association held shortly after the death of President Walker.

It was voted at that time to appoint a committee to raise funds for a gymnasium to be called "The Walker Memorial Gymnasium." An organized canvass for pledges was carried on and, although the number of pledges received was large, the total amount raised by this effort was somewhat below the aim of the committee. The task, however, was dramatically completed a few years later by the class of 1901 when on its graduation day, it brought the total to the desired amount of \$100,000.

Further Action Delayed

No further action was taken for some time because the committee realized that the Institute, then situated on Boylston street, was growing rapidly and sooner or later would be forced to locate on a larger site. As no definite location had been decided on it was necessarily impossible to erect the Memorial. In the meantime the original plans were enlarged so as to include a student club house as well as a gymnasium.

The first definite action to be taken was in 1915 when the Executive Committee of the Corporation decided, with the consent of the donors of the fund, to include in the Memorial a gymnasium, a student union, and a student dining service with a total initial cost of \$400,000. At this time the original \$100,000 had increased to \$160,000 through the natural accumulation of interest. Ground was broken for the project early in 1916 and the corner stone was laid in June of that year.

Original Plans Not Adequate

Despite the apparently generous plans of the building, overcrowding was noticeable even a short time after its completion. With the rapid growth of the Institute, the need of enlargement became more pressing and in 1923 a committee of students and Alumni was appointed to investigate the matter.

This committee in due time rendered a report which recommended a number of drastic changes in the plans of Walker. These were approved both by the Alumni and the student body, but the Corporation found itself unable to carry out the proposed changes and definite action was postponed.

"Use Walker" Is Student Slogan

Conditions became worse until a climax was reached last year and another committee, consisting of several members of the Institute Committee, was appointed to investigate the matter again. The entire student body became interested and decided to hasten the desired improvements by using Walker as much as possible. It even adopted the slogan "Use Walker." Enthusiasm rose to a high pitch resulting in the Junior Promenade being held at Walker.

Plans for additions and alterations were prepared for the committee by Harry J. Carlson '92. They call for the addition of two large wings to the

PRESENT PRIZES AT THE TECH BANQUET

Awards for meritorious service were made to seven members of THE TECH staff at the second banquet of the year held last Saturday evening in the Faculty Dining Room at Walker. Thayer, General Manager of the publication gave a short address in which he lauded the staff for their fine work thus far and urged a spirit of friendship and co-operation between them.

Following the short speech the members were entertained by a magician act and then by a professional entertainer from the R. K. O. circuit who sang songs and told jokes. After the dinner the members gathered in small groups and got to know each other more intimately.

Those who received awards follow: Newell, Advertising Dept.; Jester, Business Service Dept.; Burwell, Circulation Dept.; Horvitz, Features Dept.; Plass, Sports Dept.; Jastram, News Dept.; Fry, Photographic Dept. The awards consisted of tickets dated by the Publix Theatres.

present building. The proposed left wing provides for a new and larger dining hall with an adequate kitchen behind on the first floor. The basement accommodates a new billiard room and several offices for the use of the various activities. The present building is to remain nearly the same.

The present dining room is to be furnished as a lounging room as originally intended and the present kitchen, remodeled into a grill room. The only change called for in the basement of this section is the installation of more bowling alleys in place of the present billiard room. The right wing will contain a large auditorium with a seating capacity of fourteen hundred and also a stage fifty feet high, sixty-four feet wide, and thirty-five feet deep; the basement to include a new coatroom, a large storeroom, and more offices for activities.

Changes Due In Near Future

These plans are quite adequate for present needs and they will be put into operation as soon as the necessary funds can be raised. Meanwhile it will help matters considerably if students follow the example set last year and use Walker as much as possible. This action, more than anything else will convince the Alumni that a new Walker is both desired and necessary.

Believing that the five-day week is just as important an innovation in college life as it is in industry, the Red and Black, undergraduate newspaper at the University of Georgia, has started agitation editorially to keep Saturdays free from classes.

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FRESHMAN SMOKER PROGRAM IS VARIED

(Continued from Page One) nology occasion will also be present. Freshmen have met Mr. Dennison both at Freshman Camp and at the All-Technology Smoker, and he has proved most popular with them. He will lead the gathering in songs and cheers and is also expected to put on a number of "specialties" of his own. "Tropical Splendors," a most absorbing moving picture film has been obtained by the committee for showing that night. The film deals mostly with the tropical regions and contains many beautiful "shots."

Refreshments to Be Served

Refreshments of various natures will be served throughout the evening, and cigarettes will be plentiful. A special "Surprise" feature is being planned which is intended to climax the affair in grand style.

The smoker is given primarily as a means of bringing the members of the class in more intimate contact with each other. It is expected that before and at the close of the program the members attending will be able to meet a large number of their classmates informally about the hall. For this reason efforts are being made to have all first year men attend the function.

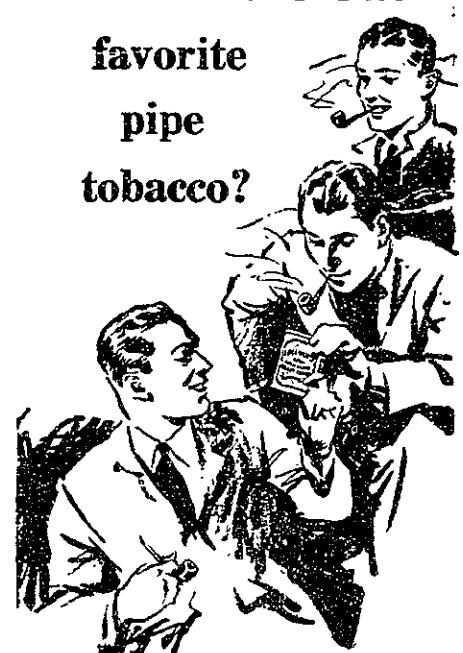
Co-eds of South Dakota State College will have a manless prom Saturday night, and they say they are going to like it. Half of them will be dressed as men. No males, even as spectators, will be allowed to enter the hall. The co-eds will attend in couples. "No stags" will be allowed.

Ohio State University students have petitioned the authorities to cut the spring vacation from ten to three or four days.

At Albion College, a group of old grads met recently and decided to call themselves the "Albionians." They must have Spanish blood!

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pipe
tobacco?



Most PRINCETON men smoke—

If you walk along Prospect Street in Princeton you'll notice how many men load their pipes from the familiar blue Edgeworth tin. At Senior Singing on the steps of Nassau Hall this spring the pipes will glow with Edgeworth.

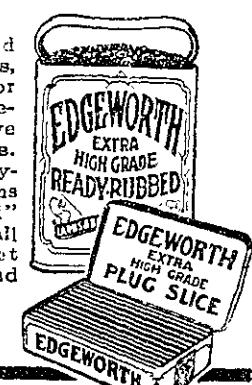
A pipe and Edgeworth—this is the smoking combination that has won the college man. Yale, Dartmouth, Cornell, Illinois, Stanford . . . all agree with Princeton.

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OFFICIAL BULLETINS OF GENERAL INTEREST

Physics and Physical Chemistry

Harvard University and Massachusetts Institute of Technology
Wednesday, April 1, 4:30 P.M., Room 4-270

Harvard-Technology Seminar. Professor C. G. Darwin: on "Radiation Theory."

Wednesday, April 1, 4:30 P.M.

Building A, Harvard College Observatory

Astronomical Colloquium. Dr. Eberhard Hopf. of the University of Berlin: "Milne's Star Models."

Thursday, April 2, 3:00 P.M., Room 4-138

Research Conference in Physical Chemistry. Talk by Professor J. L. Gillespie, "On an Alleged Difficulty in the Gibbs Thermodynamics in Relation to 'Open Systems'."

Thursday, April 2, 4:00 P.M., Room 4-270

Physics Colloquium. Dr. T. J. Killian: "Electric Discharges in Gases at Low Pressures."

Review of G. P. Thompson's paper on "The Analysis of Surface Layers by Electron Diffraction." by Professor F. W. Sears.

Open to students and members of the instructing staff.

Department of Biology and Public Health Mr. H. A. Johnson

Thursday, April 2, 4:30 P.M., Room 5-330

Mr. Johnson, Past Assistant Sanitary Engineer of the United States Public Health Service will deliver an illustrated lecture on "Mosquitoes and the Engineer." This lecture will be illustrated by a motion picture produced by the Public Health Service and showing methods of mosquito eradication.

Open to students and members of the instructing staff.

Delta Omega Lecture E. E. Hume, M.D., Dr.P.H.

Friday, April 3, 5:00 P.M., Room 10-250

Dr. Hume, Colonel in the United States Army Medical Corps, will speak on "The United States Army Medical Corps and Its Relation to Public Health in the United States."

Open to students and members of the instructing staff.

CALENDAR

Wednesday, April 1

8:00 P.M.—Armenian Club play rehearsal, West Lounge, Walker Memorial.

8:30 P.M.—Armenian Club formal dinner, North Hall, Walker Memorial.

Thursday, April 2

6:30 P.M.—Gym Team dinner, Faculty Dining Room, Walker Memorial.

6:30 P.M.—Massachusetts Safety Council Dinner, North Hall, Walker Memorial.

7:00 P.M.—Instrumental Club rehearsal, East Lounge, Walker Memorial.

Friday, April 3

5:00 P.M.—Banjo Club rehearsal, East Lounge and West Lounge, Walker Memorial.

6:30 P.M.—Delta Omega dinner meeting, Faculty Dining Room, Walker Memorial.

6:30 P.M.—Steel Treaters dinner meeting, North Hall, Walker Memorial.

Infirmary List

Professor Carle R. Hayward '04.
William A. Kirkpatrick '32.

BEAVER CLUB PLEDGES

All Beaver "Pledges" will meet at the Theta Chi House Thursday evening at 7:30 o'clock.

NOTICE, R. O. T. C.

All students who expect to attend an R. O. T. C. camp this summer and have not had smallpox and typhoid-paratyphoid immunization within the last three years will report to the Medical Director, M. I. T., as indicated below:

1. Smallpox vaccinations should be accomplished at once. Students may apply between 8:30 and 9:30 to the Medical Director any week day for this purpose.

2. For typhoid inoculations report as follows:

Monday, April 6, at 4 p. m.

Monday, April 13 at 4:00 p. m.

Monday, April 20, at 4:00 p. m.

LOWELL INSTITUTE TO GIVE FREE LECTURES

Four lectures on the gospels of Matthew, Mark, and Luke will be given starting Monday, April 13 and lasting till May 11, in King's Chapel on the corner of Tremont and School streets. Professor James Hardy Ropes, Hollis Professor of Divinity in the Theological School of Harvard University has been obtained by the Lowell Institute to speak on these subjects. Admission to all King's Chapel lectures is free and no tickets are required. Students are cordially invited to attend.

Harvard University continues to use Yale locks to guard the portals of her buildings yet the name "Yale" fails to make its appearance anywhere on the lock. Harvard has a contract with the makers of Yale locks specifying that the name "Yale" must not be in evidence on locks used in the building now erected on the Harvard campus.

Women students at Oregon recently expressed their dislike of Saturday morning classes in the following manner, "They are more bother than they are worth."

Freshman Rests Self In Arms of Morpheus

Intricate mysteries of Calculus M 12 proved too much for one freshman Friday afternoon, as, when his classmates bestirred themselves at the end of the period it was found that this freshman did not move. Anxious inquiry on the part of those about him developed the sad fact that he was sound asleep.

When this was discovered the kind hearts of his classmates asserted themselves and some one placed a protecting shield of paper over his head. Thus attired he was left to the tender mercies of the janitor. The doors were locked and all filed out amid the gentle snores.

Students in flying courses at Purdue University will soon have practical laboratory facilities. A total of 157 acres of land has been purchased by David Ross, president of the Board of Trustees, and deeded to Purdue University to be developed as an airport.

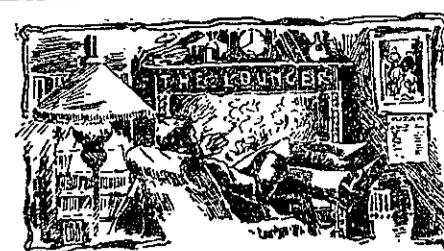
Kansas State College has installed a "dating bureau" for students. Women filing their names at the offices to make the bureau successful should answer the following: height? weight? waist? drink? smoke? neck? appetite? age? A very good system—unless some one should lie!

The members of the sophomore class at North Carolina State College are endeavoring to outlaw the drinking of liquor with the hope of eventually exterminating the evil. This section is the first voluntary action of the kind ever taken in a state education institution in the United States.

The world's shortest war lasted only thirty minutes. The Sultan of Zanzibar declared war against England and changed his mind an hour later.

Although employed by the water works of Atlanta, Ga., J. C. Turner has not taken a drink of water for the past ten years, strictly adhering to fruit juices.

Co-eds at Montana State College are refusing to attend classes until the eleven o'clock curfew on week-ends is lifted.



FLAGS AT INSTITUTE ARE NOT PERMANENT

Change of Buntings Every Two Months Necessary

The Lounger has a sweet disposition, positively cherubic at times, but at the present he is boiling with suppressed wrath. It seems that the Institute is going to the devil fast, faster and fastest. Already the Lounger has listed up Filter Paper, sick Voo Doos, no Carnival, no more Hidy Tidys, and now comes the unkindest cut of all a safe, sane and sober boiler test. The last refuge of Technology's rapidly waning manhood, the hot and dirty boiler room, has been betrayed by the sweet scented transfers from Smith and Radcliffe masquerading as engineers. A sober boiler test, oh shades of the departed glories of the past, this is too much, too much, too much . . .

Not here does the accusing finger stop in its travel, but goes on to another gripe. Have the trees shed by the Lounger over Tech's fall from grace permanently afflicted his eyes, has his mind suffered from severe mental aberration as he pondered the awful disgrace and pity of it all, or has the Lounger really seen the horrible kiss-me-quick-yellow corduroy trousers adorning the lower extremities of our lisping falsetto darlings as they run squeaking around the corridors? If so, fire when you are ready, Gridley.

Even in a man's darkest hour, comes a ray of comfort, of hope, of happiness. Who did the Lounger see strolling through the Main Lobby with a look on his face like the Corporation itself but Dan Sayre? And believe it or not Professor Dan was smoking a smelly, smoky, dingy, dirty, old, and yellow corn cob pipe. The Lord be praised for all blessings, however small.

It seems that the Lounger was sleeping through one of his nerve restoring classes in which no one does, did or will do any home work. The prof was getting a little griped so he called on a man. "Don't know the answer," cracked the called-on. The caller put down a zero and called on the next victim. "Not prepared." The next in line was a nervous little guy who hoped desperately that the fates would spare him. The prof looked and growled. "Marvin." Poor Charlie was so excited he gasped. "My God." Thanks for the compliment smiled the prof, hence peace was restored, so the Lounger went back to sleep. Moral: The efficacy of prayer is proven and petitions to the divinity go not unheeded.

Just a few things the Lounger is too lazy to write about: the tough job it was crashing Baton's lousy little dance; the wild look in the eyes of the Technique board is due to the publicity hounds who bring in their own pictures at least a dozen times a day; the co-eds who insist that Tech is much easier than female institutions; the verses written by stricken undergraduates in honor of the "Sweetheart of the Steam Lab"; and Triple E Hudson's sudden desire for ten copies of THE TECH which contained the Lounger's reference to his fire flies (he claimed it was the Dolge lecture he wanted—tish, tish.)

The Connecticut River boasts more institutions of higher learning on its banks than any other river in the world—thirteen of them, namely: Dartmouth, Norwich, Northfield and Mt. Hermon Seminaries, Amherst, Massachusetts Agricultural College, Smith, Mt. Holyoke, two colleges at Springfield, Trinity College, Hartford Theological Seminary, and Wesleyan.

Booth Tarkington, well-known novelist, who is now regaining his sight, asserts that popular interest in books is declining, that reading in the home is about to be replaced by home talking pictures, and that the writer of the future will have to devote himself to writing script for the talkies if he hopes to continue his trade.

"Forty-three per cent of the men students of the land-grant colleges throughout the country, according to a recent government survey," says the New York Times, "are working their way through, and almost a quarter of the women, while the combined yearly earnings of students in higher institutions are estimated at \$22,500,000."

In Chile, no co-ed can go out on a date without being chaperoned by a member of her family or some other party equally interested in the girl's welfare.

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Long may they wave! But the Institute flags do not wave long. After two to three months of fluttering in the breeze, they give way to new buntings. Before 1916, when woolen bunting was used instead of the cotton material at present employed, they would wear away in about a month and a half.

Four tall flagpoles decorate the grounds of Technology. In the field between Building 2 and Walker Memorial and in the Tech Field are two sixty-foot poles. These are the ones which are assaulted yearly by the Field Day opponents.

Have Bronze Bases

Rising from beautiful, strong, gilded bases in the Courts near Buildings 1 and 2, respectively, are the two other poles, 115 feet high. The bases are part of a gift of the classes of '35 and '36, which was presented in 1916. The expense of these bases was large and a great deal of enthusiasm was necessary to obtain the required funds.

All the flags are national, except that in the left-hand Court, which represents the State of Massachusetts. The latter is most costly of all the buntings, because of its elaborate decorations.

Flags of Two Sizes Flown

Ordinarily the size of the flags flown is eight feet by twelve, but on very special occasions much larger ones, eighteen feet by thirty-nine, are hauled up the staffs. Special occasions are usually commenccements and uncommon ceremonies like last year's inauguration of President Karl T. Compton.

On top of the main flagpoles are gilded, wooden balls, with points on them, and one of these points is metal. The purpose of this spike is to act as lightning arrester, for it is grounded. Several times has this precaution saved the poles from destruction by thunderbolts.

Anyone interested in the flag raising ceremony may see them ascend between 7 and 7:30 o'clock in the morning and descend between 4:30 and 5. After the death of a prominent alumnus or any other important personage connected with the Institute the flags are flown at half-mast.

M.I.T. ARMY STUDENT RECEIVES TRANSFER

Second Lieutenant Everett C. Hayden, a special student at the Institute, has been transferred to Fort Monroe, Virginia, by recent orders from the war department. Lt. Hayden, a graduate of the United States Military Academy, received his commission in the regular army in 1929. He received his appointment to West Point from the ranks.

With 300 students dropped out of school and only 150 mid-year freshmen entering, Washington State's enrollment will show a marked decrease, according to advanced indication.

Records kept by the Women's Council of Stanford show that more girls are granted "late leaves" to attend parties in San Francisco during the week preceding examinations than at any other time.

RADIO STATION GIVEN NEW SCREEN GRID SET

Mr. William A. Ready '13, of the National Company of Malden, Massachusetts, donated a new and one of the latest types of radio receivers to the M. I. T. Radio Society for their Station W1MX. Wave lengths from 9 to 550 meters can be covered. It is a single dial screen grid receiver with a radio frequency stage followed by a screen grid detector and a push-pull audio stage.

Once a year the co-eds of Ohio State give a "Co-ed Prom" to which no men are allowed. They go by themselves all tricked out in wild, wild costumes, dance by themselves and have a wonderful time; This year it's to be a "color clash," such as a purple sweater, red skirt and yellow hat.

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Records kept by the Women's Council of Stanford show that more girls are granted "late leaves" to attend parties in San Francisco during the week preceding examinations than at any other time.

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